PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PC04031-SY	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.					
International application No.	International filing date (day/m	day/month/year) (Earliest) Priority Date (day/month/year)					
PCT/KR2004/003448	T/KR2004/003448 24 DECEMBER 2004 (24.12.2004) 24 DECEMBER 2003 (2		24 DECEMBER 2003 (24.12.2003)				
Applicant		·					
SAMYANG CORPORATION e	t al						
This International search report has been prep to Article 18. A copy is being transmitted to t		ning Authority a	nd is transmitted to the applicant according				
This international search report consists of a t	otal of 3 sheets. y of each prior art document cite	d in this report.					
Basis of the report a. With regard to the language, the int language in which it was filed, unless			the international application in the				
The international search this Authority (Rule 23.		translation of the	e international application furnished to				
b. With regard to any nucleotide	and/or amino acid sequence dis	closed in the int	ernational application, see Box No. I.				
2. Certain claims were found un	searchable (See Box No. II)						
3. Unity of invention is lacking (See Box No. III)						
4. With regard to the title,							
the text is approved as submitte							
the text has been established by this Authority to read as follows:							
			:				
5. With regard to the abstract,							
the text is approved as submitte	d by the applicant.						
the text has been established, ac	ecording to Rule 38.2(b), by this	Authority as it a	ppears in Box No. IV. The applicant				
may, within one month from the	e date of mailing of this internati	onal search repo	rt, submit comments to this Authority.				
6. With regard to the drawings,							
a. the figure of the drawings to be pub	lished with the abstract is Figure	No.					
as suggested by the applic	ant.						
because the applicant faile	d to suggest a figure.						
	characterizes the invention.						
b. 🔀 none of the figure is to be publi	shed with the abstract.						

INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2004/003448

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 A61K 47/44, A61K 9/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A61K 47/44, A61K 9/14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean patents and applications for inventions since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used)
Pubmed

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α	US 2003/0095928 A1 (ELAN PHARMA INTERNATIONAL LIMITED) 22 May 2003 See the whole dociment.	1 - 23
· A	SAKUMA et al., 'Design of nanoparticles composed of graft copolymers for oral peptide delivery', Advanced Drug Delivery Reviews. 2001, Vol.47, pp.21-37 See the whole document.	1 - 23
Α	US 5510118 A (NANOSYSTEMS LLC) 23 Apr. 1996 See the whole document.	1 - 23
Α	LEROUX et al., 'Pharmacokinetics of a novel HIV-1 protease inhibitor incorporated into biodegradable or enteric nanoparticles following intravenous and oral administration to mice', J. Pharm. Sci. 1995, Vol.84(12), pp.1387-1391 See the whole document.	l - 23

ı	Further docur	nents are listed	in the continua	ation of Box	C.

See patent family annex.

- * Special categories of cited documents:
- 'A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

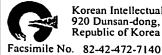
Date of the actual completion of the international search

04 MARCH 2005 (04.03.2005)

Date of mailing of the international search report

04 MARCH 2005 (04.03.2005)

Name and mailing address of the ISA/KR



Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea

LEE, Mi Jeong

Authorized officer

Telephone No. 82-42-481-5601



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/KR2004/003448

Publication Patent family Patent document Publication cited in search report date member(s) date US 2003/0095928 A1 22.05.2003 WO 03024425 A1 27.03.2003 EP 1429731 A1 23.06.2004 CA 2460867 AA 27.03.2003 US 5510118 A 23.04.1996 WO 9625152 A1 22.08.1996 AU 4867396 A1 04.09.1996